BRUHAT BANGALORE MAHANAGARA PALIKE

BILL OF QUANTITIES (BOQ)

Work:- **Improvements to roads and drains in Jakkur Layout and Surrounding areas in 07, Byatarayanapura.**

		Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
	162.80	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.	cum	137.80	Rupees One Hundred Thirty Seven and Eighty Paise Only
2	189.00	Construction of Embankment with Material Gravel Murrum. KSRRB M300-53 Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density)	cum	344.50	Rupees Three Hundred Forty Four and Fifty Paise Only
3	238.35	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 with OPC @ 220 Kgs with 40mm and down size graded granite metal machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery curing complete as per specification	cum	5408.12	Rupees Five Thousand Four Hundred Eight and Twelve Paise Only
4	310.05	KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts conforming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications	cum	5998.54	Rupees Five Thousand Nine Hundred Ninety Eight and Fifty Four Paise Only
5	18.60	KSRB 4.9.2: Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	75223.96	Rupees Seventy Five Thousand Two Hundred Twenty Three and Ninety Six Paise Only
6	2616.00	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.	Sqm	483.36	Rupees Four Hundred Eighty Three and Thirty Six Paise Only
7	18.40	KSRB4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed concrete laid in layers not eceeding 15 cms. thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications.	cum	5747.32	Rupees Five Thousand Seven Hundred Forty Seven and Thirty Two Paise Only
8	972.00	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications	cum	2100.00	Rupees Two Thousand One Hundred Only
9	85.00	Providing and fixing MS Grating 260x260 mm	No	89.84	Rupees Eighty Nine and Eighty Four Paise Only

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Signature of the contractor

Executive Engineer

		Description	Unit	Issued to Technical Manager , KRIDL	
				In Figures	In Words
	83.00	...ent concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with ...PC cement or any other type as per clause 1251.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M20 (at 300Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)	cum	5210.96	Rupees Five Thousand Two Hundred Ten and Ninety Six Paise Only
11	1162.80	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1 Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1	cum	94.34	Rupees Ninety Four and Thirty Four Paise Only

1. The work should be executed as per the specification and standard specified by the PWD & Other specifications of the Bangalore Mahanagara Palike and as directed.
2. The work should be carried out as per the directions and instructions of the concerned Engineer
3. The Contractor should maintain the quality of work as per the standard specifications.

Executive Engineer (Byatarayanapura)
Bruhath Bangalore Mahanagara Palike

I am prepared to take up the above work at the rates quoted by me in the Schedule 'B'.

5/12

CONTRACTOR

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010